

P/014/60/039/012/002/007
A221/A126

AUTHOR: Zieliński, Antoni, Z.
TITLE: Sulphur-tetra-fluoride, a modern, selective fluorizing agent
PERIODICAL: Przemysł Chemiczny, v. 39, no. 12, 1960, 747 - 749

TEXT: The author describes his observations obtained during his visit to America in 1959, concerning sulphur tetra-fluoride. This compound has a remarkable selective property in substituting oxygen by fluorine in carbonyl and partly hydroxyl compounds. Its production is easy and raw materials are cheap. SF_4 is a colourless gas, fuming in contact with damp air, its smell resembles that of SO_2 . It boils between -38 and -37°C , solidifies at -121°C , its critical temperature is 90.9°C . Stored in bottles in liquefied form it develops a pressure of 11 atm gauge at 26°C and of about 55 atm gauge at 55°C . It is easily soluble in several solvents, e.g. dimethyl formamide, pyridine; less freely soluble in acetonitrile, ethyl ether, ethyl acetate and tetra methylene sulphone; it is little soluble in aliphatic and aromatic hydrocarbons and their derivatives. It is highly toxic, consequently strict precautions must be observed when handling it. Most characteristic

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Sulphur-tetra-fluoride, a modern, selective...

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is the reaction of SF₄ with carbonyl group present in ketones, quinones, aldehydes, acids and esters $\text{C}=\text{O} + \text{SF}_4 \rightarrow \text{CF}_2 + \text{SOF}_2$, while atoms of hydrogen, double and triple inter-carbon links, nitric groups, atoms of chlorine, and even bromine present in the molecules, remain unaffected. Selected reactions of SF₄ are shown in 5 tables. According to Du Pont (Ref. 3: Du Pont de Nemours & Co., Inform. Bull.; "Sulfur Tetrafluoride Technical", Wilmington 1959) production of SF₄ proceeds as follows: $3\text{SCl}_2 + 4\text{NaF} \rightarrow \text{SF}_4 + \text{S}_2\text{Cl}_2 + 4\text{NaCl}$ or $2\text{Cl}_2 + \text{S} + \text{NaF} \rightarrow 4\text{NaCl} + \text{SF}_4$. There are 6 tables and 9 non-Soviet-bloc references. The four most recent references to English-language publications read as follows: C. W. Tullock, W. C. Smith, E. L. Muetterties, A. L. Oppengard, F. S. Fawcett, D. D. Coffman, 136 Meeting Amer. Chem. Soc., Paper no. 61-M, Atlantic City 1959; Pat. USA 2859245 (1958), Chem. Abstr., 53, 12236 (1959); Pat. USA 2862029 (1958), Chem. Abstr., 53, 9152 (1959); Ind. Eng. News, 37, no. 52, 49 (1959).

ASSOCIATION: Katedra Technologii Chemicznej Organicznej Politechniki Szczecińskiej (Department of Organic Chemical Technology, Polytechnical Institute) in Szczecin

Card 2/6

ZIELINSKI, B.

The World Electric Power Conference in Lausanne, 1964. Energetyka
Pol 18 no. 8:3 of cover Ag '64.

ZIELENSKI, C., mgr

Fuel and electric power management in the administration of national defense, internal affairs, penal institutions of the administration of justice, and the state enterprise, the Polish State Railways, of the administration of transportation. Gosp
paliw 12 no.12:430-432 D '64.

ZIELINSKI, Czeslaw

The Statute on Fuel and Power Management and the provisions
to enforce it. Gosp paliw 11 no.9:349-351 S '63.

ZIELINSKI, E.

First course on gas chromatography in Krakow. Przem chem 41
no.12:734 D '62.

ZIELINSKI, E. ; PORORSKI, J.

The concentration of helium in the gas-bearing salt deposits in the Kujawy region. p. 407.

PRZEGLAD GEOLOGICZNY. (Wydawnictwa Geologiczne) Warszawa. Poland.
Vol. 7, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 9, no. 2, Feb. 1959.

Uncl.

ZIELINSKI, E.

7
Adsorption of helium, neon, and hydrogen on silica gel and alumina at the temperature of liquefied nitrogen and high pressure. Andrzej Czaplinski and Emil Zielinski. *Przemysł Chem.* 38, 87-8 (1959).—The most active adsorbent in the noncarbon group was SiO₂ gel with narrow pores. Under low-pressure He was slightly adsorbed, Ne more, and H most strongly. At pressures of the order of 30 atm., the adsorption of H and Ne on the oxides examd. was nearly equal. Therefore, the degree of sepn. of He-Ne-H is best under pressures of a few atms.

P. Karp

ZIELINSKI, E.

7 Adsorption of helium, neon, and hydrogen by activated carbon at higher pressures and at the temperature of liquid nitrogen. Andrzej Zieliński and Emil Zieliński (Acad. Górniczo-Hutnicza, Kraków, Poland). *Prace Chem.* 37, 640-1 (1958) (English summary).—Pressures up to 80 atm. were used in the above adsorption. H was better adsorbed at lower pressure. The adsorption of Ne and He at the lower pressures was nearly equal, while the adsorption of He at these conditions was negligible. Thus, the separ. of He from Ne (in their concentrate) by the thermochromatographic method should be carried out at lower pressures (below 8 atm.). P. J. Hendel

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ZIELINSKI, E.

New methods of combustion; pulsating burners. p. 59.

(ENERGETYKA. Vol. 10, no. 2, Mar/Apr. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

ZIELINSKI, Emil

Determination of helium and neon content in gases by using the chromatographic method. Chem anal 5 no.2:297-307 '60. (EEAI 10:3)

1. Katedra Chemii Ogólnej Akademii Górniczo-Hutniczej, Krakow.
(Helium) (Neon) (Gases) (Chromatography)

ZIELINSKI, Emil

Neon as eluant in gas chromatographic determination of helium in
gases. Chem anal 5 no.4:605-610 '60. (EAI 10:9)

1. Department of General Chemistry, School of Mining and Metallurgy,
Krakow.

(Neon) (Chromatography) (Helium) (Gases)

ZIELINSKI, Emil

Studies on the utility of Polish activated carbons for
the separation of gases. Przem chem 39 no.1:16-18 Ja '60.

1. Katedra Chemii Ogolnej, Akademia Gorniczo-Hutnicza, Krakow

ZIELINSKI, Emil

Practical aspects of helium and neon determination by chromatography.
Chem anal 6 no.5:787-790 '61.

1. Department of General Chemistry, School of Mining and Metallurgy,
Cracow.

ZIELINSKI, Emil

On the possibility of utilizing the thermochromatographic method
in the separation of waste gases from ammonia synthesis. Przem chem
40 no.9:512-513 S '61.

1. Katedra Chemii Ogólnej, Akademia Górniczo-Hutnicza, Krakow.

ZIELINSKI, Emil, doc. dr.

Gas chromatography as applied to the determination of gases in metals. Przegl odlew 13 no. 8/9:219-222 Ag-S '63.

ZIELINSKI, C

✓ The effect of conditions of preparing cadmium sulfide on its specific surface area. *Mikrochim. Zhurn.* and *Zhurn. Priklad. Khim.* 32, 170-171 (1959) (English summary). CdS was pptd. from acidic solns. at 20 or 100° and dried at the temp. of pptn. In the 1st case its sp. surface area (B.E.T.) varied from 43.8 to 10.0 sq. m./g., and in the 2nd case from 7.8 to 1.9 sq. m./g., when the H₂SO₄ concn. varied from 0 to 10%. The color of CdS changes with increasing H₂SO₄ concn. from yellow to orange-red. A. A. X.

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VI

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[Signature]

POLAND/Physical Chemistry. Colloid Chemistry. Disperse
Systems.

B

Abs Jour: Ref Zhur-Khin., No 5, 1959, 14879.

Author : Lason M., Zielinski E.

Inst :

Title : Investigation of the Specific Surface of Cadmium Sulphide
Obtained from Acidified Solutions Containing Cadmium
nitrates or Chlorides.

Orig Pub: Roczn. chem., 1958, 32, No 3, 467-470.

Abstract: The effect of the production conditions of CdS on
its specific surface S has been investigated. CdS
is obtained by the separation of Cd from acidified
nitrate and chloride solutions. It has been estab-
lished that, for a determined separating and drying

Card :1/2

ZIELINSKI, Emil

Application of Polish molecular sieves and activated carbons in
gas chromatography. Chem anal 8 no.6:907-910 '63.

1. Department of General Chemistry, Academy of Mining and Metallurgy,
Krakow.

ZIELINSKI, Emil

Determination of the helium, argon, and nitrogen content
in natural gases by the chromatographic method. Chem anal
8 no.3:399-404 '63.

1. Department of General Chemistry, Academy of Mining and
Metallurgy, Krakow.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110013-2

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110013-2"

1922

ENR 18 38-422

Żelazski E. Film Boiling in Steam Generating Boilers.

"Wzrostanie tlenu w kotłach parowych" Energetyka Przem. 1940
Gospodarka Ciężka, No. 1, 1943, pp. 10-13, 6 figs.

A description of the conditions under which so-called "film boiling" may occur and a detailed consideration of problems of generating water-steam mixture in the boiler fire tubes. Factors influencing film and bubble boiling -- that is the dependence of the temperature gradient in the region of a heated wall on the quantity of water together with the temperature change in the heated region -- are discussed. The heat transfer coefficient is determined for different conditions of film boiling. The effect of the quantity of water on the heat transfer coefficient is also discussed. The effect of the quantity of water on the heat transfer coefficient is also discussed.

ZIELINSKI, Edmund, mgr inż.

Sulfate pollution of the air around electric power stations. Pt. 1.
Energetyka Pol 16 no.10: Suppl: Biul energetyki 4 no.9/10:39-40 0 '62.

1. Pracownia Energotechnologii, Instytut Energetyki, Warszawa.

ZIELINSKI, Edmund, mgr inż.

Sulfate pollution of the atmosphere around electric power plants. Pt. 2. Energetyka Pol 16 no.12:Suppl.: Biul Inst energ 4 no.11/12:41-43 D 1962.

1. Pracownia Energotechnologii, Instytut Energetyki, Warszawa.

ZIELINSKI, Edward, mgr

Economic-technical complex analysis. Przegl kolej mechan
13 no.5:150-153 My '61.

ZIELINSKI, Edward, mgr

Essence and principles of complex analysis of economic-technical problems. Przegl kolej elektrotech 13 no.5:129-132 5 My '61.

ZIELINSKI, Edward

Problems of measuring the labor efficiency at the Railroad
Rolling Stock Repair Shops. Przegl kolej mechan 15 no.1:
11-12, 21-23 Ja '63.

1. Departament Ekonomiczny, Ministerstwo Komunikacji, Warszawa.

ZIELINSKI, Edward, mg.

Evaluation of the economic and technical complex analysis of the
railroad rolling stock repair shops. Prsegl kolej mechan 14 no.3:70-
73 Mr '62.

001.03

Adwentowski K., Zieliński E. Searching for Local Sources of Rare Gases.
„Poszukiwanie krajowych źródeł gazów szlachetnych” Przemysł
Chemiczny No. 9, 1955, pp. 502--507, 4 figs., 3 tabs.

Waste gases from Lunde separator analysed at Chorzów and Tur-
now, were found to contain sufficient quantities of He - Ne mixture
(0.7 to 0.3 per cent) to justify their being regarded as a satisfactory
source of helium and neon for semitechnical production. An installation
was devised in which nitrogen is adsorbed on active carbon and 300 ml
of the mixture mentioned are produced in the laboratory per hour

Chorzów

2

ZIELINSKI, Emil

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
General and Physical Chemistry

Crystalline structure of cadmium sulfide. Emil Zielinski
(Acad. Minihl. Akad. Nauk, Krakow, Poland). *Chem.*
29, 207-8 (1953) (English summary). When ground, α -CdS
changes from yellow to red. The lattice structure changes
from the wurzite to the sphalerite type. M. Folk

(2)

q-58
JH

COUNTRY : POLAND B
 CATEGORY : Physical Chemistry. Surface Phenomena. Adsorption
 Chromatography. Ion Exchange
 ABS. JOUR. : RZhKhim., No 17, 1959, No. 60188
 AUTHOR : Czaplinski, A., Sielinski, E.
 INSTITUTE : -
 TITLE : Adsorption of He, Ne, and H₂ on Activated Charcoal
 at Liquid N₂ Temperature and at High Pressures
 ORIG. PUB. : Przem. chem., 1958, 37, No 10, 640-641

ABSTRACT : For the determination of optimum conditions of
 the thermo-chromatographic separation of indus-
 trial gas mixtures, composed of approx. 80%
 He+Ne, 20% N₂, and 1-2% H₂, adsorption, isother-
 ms of He, Ne, and H₂ were taken at a temperature
 level of liquid N₂ employing activated charcoals
 "Carbopol H₂ (I), and disulfocarbon (II) made
 at the Ratsiborskiy plant of carbon electrodes
 from the Merka's (III) coal. The justification
 for using high pressures p for the separation
 of mixtures was not demonstrated. The greatest

Card: 1/2

POTWOROWSKA, Maria; SERAFIN, Roman; ZIELINSKI, Jan

Spontaneous valvular pneumothorax in a parturient. Pol. tyg.
lek. 19 no.11:399-402 9 Mr '64.

1. Z Oddziału Położniczo-Ginekologicznego Instytutu Grzeczny
w Warszawie (kierownik dr med. J. Ruszkowski).

ZIELINSKI, Edmund, mgr inz.

The technology of power plants and power engineering in U.S.
industry. Energetyka Pol 14 no.3:97-99 Mr '60. (EEAI 9:8)
(United States--Power (Mechanics))

ZIELINSKI, EMIL

Poland

CA:11871

with LUCJAN CZERSKI

Zaklad Chem. Gorniczej, Inst. Gornictwa, Cracow, Poland.

"The constitution of precipitated cadmium sulfides."

Roczniki Chem. 26, 134-42 (1952) (French summary).

[illegible]

ZIELINSKI, H.

"Carbon and Mineral Ion Exchangers." p. 119, Stalinograd, Vol. 10, no. 4, Apr. 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

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685.52.002.6 : 546.22 : 680.00

Glaser R., Zieliński H. Sulphur Compounds in Crude Oil and its Products.

"Związki siarkowe w ropie naftowej i jej produktach". (Prace Gł. Inst. Naft.), Katowice, 1951, PWT, 20 pp., 24 figs.

Sulphur compounds, present in petroleum distillates, are undesirable owing to their corrosive action which lowers the octane number of motor fuels etc. Experiments into the removal of mercaptanes from light distillates by means of continuous method, in counter-flow using aqueous sodium hydroxide and methanol, are described. It is stated that there is a certain optimal flow rate of gasoline at which the best extraction results are obtained. This rate depends mostly on the height and diameter of the column and on the size of packing (rings).

F

K

329. ADSORPTIVITY OF "ESCARBO" ION EXCHANGER, Jurkiewicz, J. and Zieliński, H. (Katowice: Prace Główn. Inst. Górnic. (Proc. Chief Inst. Min.), 1951, Komunik. 94, 11pp.). "Escarbo", a product of sulphonation of coal, was examined by the statistical method. It acts both as a cation exchanger and also in certain cases as a surface sorbent like active carbon. (L).

POLAND / Chemical Technology. Chemical Products and
Their Applications. Chemical Processing of
Solid Fossil Fuels.

H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13104.

Author : Zielinski, Henryk.

Inst : Not given.

Title : Coking Problems in a Sectional Meeting of the
International Power Conference in Belgrade.

Orig Pub: Koks, smola, gaz, 1957, 2, No 4, 166-168.

Abstract: No abstract.

Card 1/1

ZIELINSKI, H.

Process of natural coalification of solid fuel in the light of the elementary analysis.
Biuletyn.

p. 1 (Koks, Smola, Gaz. Vol. 1, no. 1, Jan./Mar. 1956. Katowice, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

ZIELINSKI, HENRYK

POLAND / Chemical Technology, Chemical Products and Their
Application, Part 3. - Treatment of Solid Combustible
Minerals.

H-21

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12436.

Author : Henryk Zielinski.

Inst : Not given

Title : Upon the Combination of Coal Coking and Semicoking Processes.

Orig Pub : Koks, smola, gaz, 1957, 2, No 1, 6 - 8.

Abstract : The possibility of combining the process of non-coking
coal semicoking with metallurgical coke production by the
introduction of semicoke into the composition of coke oven
charge and by using the method of heating coal up to the
plasticity state, the agglomeration of the obtained product
and its coking is studied. This method will permit to en-

Card 1/2

ZIELINSKI, H.

Proper planning of research in the Institute of Chemical Utilization of Coal.

p. 12 (Koks, Smola, Gaz. Vol. 1, no. 1, Jan./Mar. 1956. Katowice, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

Poland/Chemical Technology. Chemical Products and Their Application -- Treatment of solid mineral fuels, I-12

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5447

Author: Jurkiewicz, J., Zielinski, H.

Institution: Institute of Chemical Processing of Coal

Title: Process of Natural Carbonization of Solid Fuels According to Data of Their Elemental Analyses

Original

Publication: Koks, smola, gaz, 1956, 1, No 1, Biul. Inst. chem. przerobki wegla, 1-2

Abstract: On the basis of physico-chemical characteristics and data of elemental analyses of solid fuels, hypothetical notions are advanced concerning the process of natural carbonization of fuels; in particular a correlation is established between changes in the nature of side chains, and of aromatic rings, and the degree of metamorphism.

Card 1/1

ZIELINSKI, H.

TECHNOLOGY

PERIODICAL: KOKS, SMOLA, GAZ., Vol. 2, no. 4, July/Aug. 1957.

ZIELINSKI, H. Problems of coke at the Sectional Meeting of the World Power Conference in Belgrade. p. 166.

Vol. 3, no. 5, Sept/Oct. 1958.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4
April, 1959, Unclass.

ZIELINSKI, H.

COUNTRY : GDR
CATEGORY :

H-22

ABS. JOUR. : RZKhim., No. 5 1960, No.

19506

AUTHOR : Zielinski, H.

INST. : Not given

TITLE : The Oxidative Thermal Treatment of Semicoke and Coke Briquettes

ORIG. PUB. : Freiburger Forschungsh, A, No 119, 61-74 (1956)

ABSTRACT : The effect of oxidative thermal treatment (OTT) at 200-500° on the strength and properties of semicoke and coke briquettes (B) has been investigated. The B show maximum strength after OTT for 3-4 hrs. A simultaneous increase in the concentration of carbon in the briquettes and decrease in the volatile matter content is observed. Oxidation for more than 3-4 hrs leads to an increase in the yield of volatile matter, particularly in B from semicokes obtained at 500° [sic].

CARD: 1/2

307

ABS. JOUR. : RZKhim., No. 5 1960, No. 1942001

APPROVED FOR RELEASE: 09/19/2001

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AUTHOR :

INST. :

TITLE :

ORIG. PUB. :

ABSTRACT : The increase in the strength of the B after OTT is explained by polymerization and condensation reactions of the binder leading to the formation of a stable skeleton. Data are presented on the elementary analysis of the B.

N. Gavrilov

CARD: 2/2

19306

Country : GDR
Category :

H-22

Abs. Jour. :

39967

ZIELINSKI, Henryk

Certain economic problems of the coke industry. Koks 8 no.1:1-7 Ja-F
'63.

SALCEWICZ, Jozef; ZIELINSKI, Henryk

Studies on the influence of the temperatures of oxidation and carbonization on the quality of formed coke obtained by the IChPW method. Koks 7 no.6:207-210 N-D '62.

1. Katedra Chemicznej Technologii Węgla, Politechnika, Gliwice,
i Instytut Chemicznej Przerobki Węgla, Zabrze.

ZIELINSKI, HENRYK

POLAND/Surface Phenomena. Adsorption. Chromatography. Ion Interchange B-13

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26383

Author : Jan Jurkiewicz, Henryk Zielinski

Title : New Method of Determination of Interchange Capability of Cation Exchanging Resins.

Orig Pub : Gaz, woda, techn. sanit., 1956, 30, No 3, 90-91

Abstract : The method of determination of the interchange capacity of cationites corresponding to the conditions of their application to water softening is described in detail. The determination is based on the titration of H-forms of cationites by the solution of $\text{Ca}(\text{HCO}_3)_2$, prepared by saturating suspended CaCO_3 with gaseous CO_2 in an autoclave at 0.5 to 3 atm.

Card : 1/1

ZIELINSKI, Henryk, dr inz.

Problems of the coking of coal for power production under Polish conditions. Koks 7 no.5:199-202 S-0 '62.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

"APPROVED FOR RELEASE: 09/19/2001

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APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110013-2"

ZIPLIMSKI, H.

Rational utilization of coal for fuel and gas. p. 550. PRZEMYSŁ
CHEMICZNY. Warszawa. Vol. 11, no. 10, Oct. 1955

Source: East European Accessions List, (EEAL), Lc, Vol. 5, no. 2, Feb. 1956

"APPROVED FOR RELEASE: 09/19/2001

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APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110013-2"

Zielinski Rpt

✓ Natural condensation process of solid fuels. J. Furkiewicz and H. Zielinski (*Prace Inst. Mineral. Hutnicz.*, 1955, 7, 302-306). -- Analytical data from solid fuels are mathematically examined and compared with physico-chemical properties and it is concluded that the natural condensation process, considered from the point of view of inter-molecular transformation, proceeds in two stages: (1) condensation of low-rank coals to coke coals, accompanied by a transformation of external chains but leaving the aromatic rings almost intact, and (2) condensation from coke coals to graphite involving a radical change in the number of aromatic rings as a result of condensation. (17 references.) (English summary) J. S. C.

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JURKIEWICZ, J. and ZIELINSKI, H.

POLAND

"Natural Coalification Process of Solid Fuels in the Light of Elementary Analysis," Prace
Instytutow Ministrstwa Hutnictwa, No. 5-6, Ministry of the Metallurgical Industry, 1955.

ZIELINSKI H

2938

64H-731

Ilnatowicz M., Zielinski H. The Processing of Low-Temperature Tar from Bituminous and Brown Coals.

„Przetwórstwo smoły z węgla kamiennego i brunatnego”. Przegląd Górniczy. No. 7, 1953, pp. 231--240, 8 figs., 1 tab.

The only rational method, consistent with the economic conditions obtaining in Poland, of processing low-temperature tar from bituminous coals is the combined distilling and refining method as applied to mixed products of condensation to obtain petrol, Diesel-oil, naphtho-phenols, fuel or impregnating oils, paraffin oil and electrode coke. Diagram of the process. Distilling and refining processes combined, if necessary, with cracking, are suggested for processing low temperature tar obtained from brown coal.

ZIELINSKI, H

POLO N

• Removal of phenols from industrial water and sewage
J. Nowacki and H. Zielinski. *Przemysl Chemiczny* 9, 66-73
(1958) (English summary) Methods of removal, transforma-
tion, and destruction of phenols by physico-chemical and
biological means are discussed. The influence of phenols on
aquatic life is briefly discussed. G. A. V.



ZIELINSKI, H.

POLAND/Chemical Technology. Chemical Products and Their Application. Treatment of Solid Mineral Fuels.

H-22

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 15682.

Author : Nadziakiewicz J., Zielinski, H., Rychly J., Kozmas H.
Inst : Institute of Chemical Processing of Coal.
Title : Production of Metallurgical Coke from Non-Coking Coal.

Orig Pub: Koks, smola, gaz, 1957, 2, No 2, 41-47.

Abstract: According to a method developed, on laboratory and pilot-plant scale, by the Institute of Chemical Processing of Coal (Poland) for the production of metallurgical coke from non-coking coal, the initial fuel-grade coal is subjected to low temperature carbonization and the resulting semicoke is comminuted and made into briquettes, after adding low temperature carbonization tar as a binder. The briquettes undergo a thermal treatment (oxidation) after

Card : 1/3

. POLAND/Chemical Technology. Chemical Products and Their Application.
Treatment of Solid Mineral Fuels.

H-22

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 15682.

300-375°, and also pitch of MP 70°. Briquettes were oxidized in a tunnel furnace at 220° for 4 hours. Conclusions are presented concerning suitability of coke thus obtained as a metallurgical fuel.

Card : 3/3

ZIELINSKI, HENRYK

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Fuels and Carbonization Products

Low-temperature gas from Lurgi ovens. Jan Rychly
and Henryk Zielinski. *Przegląd Górniczy* 9: 280-282 (1953).
A review of properties and utilization of coal gas obtained
in the first stage of high-temp. coking, i.e. at a temp. in
which there is no coking. P. J. Hendel.

9-16-54
220

POLAND / Chemical Technology. Processing of Solid Fossil Fuels. H-22

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78994.

Author : Zielinski, H.

Inst : Not given.

Title : The Works of Polish Institute of the Chemical Processing of Coal, Concerning the Production of Metallurgically Compressed Coke from Non-Coking Coals.

Orig Pub: Koks, smola, gaz, 1957, 2, No 6, 286-294.

Abstract: The developed method consists of the following operations:

1. Dry distillation of the starting non-coking or weakly coking coal at 750-800°C., leading to the formation of a semi-coke tar; the content of volatile matter in the semi-coke obtained does

Card 1/3

POLAND / Chemical Technology. Processing of Solid
Fossil Fuels.

H-22

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78994.

Abstract: not exceed 2-3%.

2. Crushing of the semi-coke to obtain a fraction from 0-3 millimeters.
3. Briquetting of crushed semi-coke at medium pressures (few hundredths of an atmosphere) with the addition of 8-12% of a binding material (per dry demi-coke), whereby as that binding material is used, a heavy fraction (270-300°C.) of a tar obtained in the first operation. This fraction must have a melting point of $>35-45^{\circ}\text{C}$., and must not have substances with a boiling point of $<270-300^{\circ}\text{C}$.
4. The thermal treatment of briquets at 200-300°C.

Card 2/3

ZIELINSKI, Henryk

Problems of the production of smokeless fuels. Koks 9 no.4:
110-118 J1-Ag '64.

1. Institute of Chemical Coal Processing, Zabrze.

RYPSON, Lech; ZIELINSKI, Jan

Depression of lactation with luminal. Pol. tyg. lek. 18
no.52:1956-1957 23 D '63.

1. Z Oddziału Położniczo-Ginekologicznego Instytutu Gruźlicy
w Warszawie (kierownik: dr med. J. Ruszkowski).

JOCHWEDS, Benjamin; RADWAN, Leszek; ZIELINSKI, Jan

Acute adrenal failure without typical biochemical changes.
Pol. tyg. lek. 19 no.2:60-62 Ja '64.

1. Z Oddziału Chorob Wewnętrznych Instytutu Gruźlicy (kierownik:
prof. dr med. B. Jochweds).

ZIELINSKI, J.

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Artificial Satellites and their Utilization in Geodesy,
held in Warsaw, October 1962. Postepy astronom 11 no. 3:
233-234 '63.

POLAND

LAWKOWICZ, Wlodzimierz; KRZEMINSKA-LAWKOWICZOWA, Izabela; PANASEWICZ, Jozef; SNIGUROWICZ, Jozef; KRAJ, Maria; ROSTKOWSKA, Jadwiga; ZIELINSKI, Jacek and MAJENSKA, Zofia; Chair of Hematology of Postgraduate Medical Courses, Academy of Medicine and Hematology Clinic of Institute of Hygiene (Katedra Hematologii Stud. Dosk. Lek. AM i Klinika Hematologii III,) Head (Kierownik) Prof Dr W. LAWKOWICZ; and Department of Physiopathology, Institute of Hygiene (Zaklad Fizjopatologii III) Head Docent Dr J PANASEWICZ, Warsaw.

"Comparative Studies of Human Blood Proteins and Those of Experimental Animals"

Warsaw, Medycyna Doswiadczalna i Mikrobiologia, Vol 18, No 1, 1966; pp 83-88.

Abstract [English summary modified] : When studied by the same method, rabbits' serum proteins were more similar to human ones than those of rats or guinea pigs. Total proteins, erythrocyte sedimentation rates and haptoglobin levels were all lower in the animals than in man. Table, 2 electrophoregrams; 9 Polish and 1 Western reference.

NAPIORKOWSKA, Wanda; ZIELINSKI, Jan

Aldactone as a drug controlling hypokalemia in diuretic therapy.
Pol. tyg. lek. 17 no.35:1379-1383 27 Ag '62.

1. Z Oddzialu Chorob Wewnetrznych Instytutu Gruzlicy w Warszawie;
kierownik: prof. dr med. B. Jochweds.
(SPIRONOLACTONE) (HYPOKALEMIA) (DIURETICS)
(HEART FAILURE CONGESTIVE)

ZIELINSKI, Janusz, mgr inż.

Hydraulic jack of the ZETOR-3011 tractor. Techn motor
12 no. 6: 182-183 Je '62.

1. Zakłady Mechaniczne Ursus, Warszawa.

SWIATEKOWSKA, Halina; LUKANOWA, Krystyna; ZIELINSKI, Jan; HASOUPA, Jerzy

Postoperative metastases and recurrence of cervical cancer according to data of the Institute of Oncology in Warsaw. Nowotwory 14 no.2: 125-130 '64.

1. 2 Oddziału Onkologii Ginekologicznej Instytutu Onkologii w Warszawie (Kierownik: doc. dr. med. L. Tarłowska, Dyrektor: prof. dr. med. W. Jasicki).

NAPIORKOWSKA, Wanda; RAFALOWICZ, Adam; ZIELINSKI, Jan

On cases of tumors of the abdominal cavity. Pol. tyg. lek. 19
no.17:644-646 20 Ap '64.

1. Z Oddzialu Wewnetrznego Instytutu Gruzlicy im. A. Landaua w
Warszawie (kierownik: do r. 1960 włącznie, prof. dr. med. W.
Hartwig, od r. 1961: prof. dr. med. B. Jochweds).

ZIELINSKI, Jan

A case of pregnancy toxemia associated with giant edema of the vulva causing mechanical anuria. Pol. tyg. lek. 19 no.16:608-610
13 Ap '64.

1. Z Oddziału Ginekologiczno-Polozniczego (kierownik: dr. med.
J. Ruszkowski) Instytutu Gruźlicy w Warszawie.

KOZIOROWSKI, Antoni; ZIELINSKI, Jan; RADWAN, Leszek

The use of multergan in the diagnosis of generalized bronchial stenosis. Gruzlica 33 no.5:421-429 My '65.

1. Z Zakladu Fizjopatologii Oddychania Instytutu Gruzlicy (Kierownik: lek. A. Koziorowski).

ZIELINSKI, JANUSZ

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- Bureau, Printed Geography, Vol. 34, No. 1, January 1962.
1. "Ten Years of Work of the National Establishment of Cartographic Publications (PPK, Państwowe Przedsiębiorstwo Wydawnic Kartograficzne)," Jan ZIELINSKI, pp 1-4.
 2. "About Tourists' Maps Published by PPK in 1957-1961," Stanisław Janusz THOMAS, pp 4-10.
 3. "Tourists' Map of the Mamry Lakes," Maria LIXONIA, pp 10-11.
 4. "Remarks on the Standardization of Surveyors' Scales," Władysław FLOSKI, pp 12-13.
 5. "On Better Quality First Outlines of Matrix and Large Scale Maps," Stanisław KOLASOWSKI, pp 13-15.
 6. "Simplifying Representation of Certain Typical Triangulation Nets," Włodzisław KUCIŃSKI, pp 16-18.
 7. "Triangulation Net of the City of Kraków," Ludwik STYCHY, pp 18-21.
 8. "Antireflecting Teodimeter Built-in with Plane Table Karti-250," Stanisław MAŁY, pp 21-23.
 9. "Remarks on Technical Polytechnic for Agricultural Purpose," Janusz ZIELINSKI, pp 24-25.
 10. "More on Geodetic Nets in Agricultural Surveys," Andrzej WILCZYŃSKI, pp 25-26.
 11. "Organization of Surveying for Mining in Prague," Josyf ŠIMONEK, O. L. (Prague, Czechoslovakia) and Josyf ŠIMONEK, O. L. (Prague) (translated by W. KOPLO-GIŃSKI), pp 26-27.

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Szymanski, J.

POLAND / Chemical Technology. Chemical Products and Their Application. Cellulose and Its Derivatives. Paper. H

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 33541.

Author : Szymanski, J., Zielinski, J.

Inst : Not given.

Title : Determination of Sulfur in Waste Gases of Cellulose Sulfate Production.

Orig Pub: Prezgl. papieru., 1958, 14, No 9, 279-283.

Abstract: The methods of precipitation, colorimetical and potentiometrical titrations, and the method of determining the total amount of S by combustion, are examined. It is established that, for industrial supervision, the precipitation method and the method of S determination by combustion are the most appropriate. -- From the authors' summary.

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LESZCZYNSKI, Czesław, inż.; SKWARA, Zofia, inż.; ZIELIŃSKI, Jerzy, mgr inż.

Studies on the correlation of the analytical indexes of sulfite spent liquors. *Przegl papier* 19 no.5:165-170 My '63.

1. Instytut Celulozowo-Papierniczy, Łódź (for Leszczynski and Skwara). 2. Politechnika Śląska, Gliwice (for Zielinski).

LESZCZYNSKI, Czeslaw, inz.; SKWARA, Zofia, inz.; ZIELINSKI, Jerzy, mgr inz.

Studies on the correlation of the analytical indexes of pollutional loads of pulp and paper mill waste waters. Przegl. papier 19 no.10:305-308 0'63.

1. Instytut Celulozowo Papierniczy, Lodz (for Leszczynski and Skwara). 2. Politechnika Slaska, Gliwice (for Zielinski).

LEWICKI, Bohdan, doc. dr; ZIELINSKI, Jerzy, mgr inż.

Rigidity of ceilings made of prefabricated floor panels subjected to bending. Inż i bud 20 no.6:189-192 Je '63.

1. Instytut Techniki Budowlanej, Warszawa.

ZUKROWSKI, L.; WOJNAR, J.; ZIELINSKI, J.J.; MOSKAL, E.

Review of publications. Nafta 20 no.11:311-314 H '64.

TARNOWSKA-DZIDUSZKO, E.; ZIELINSKI, J.J.

Use of vaskulat in vascular diseases of the brain. Neurol.
neurochir. psychiat. Pol. 14 no.1:51-54 Ja-F '64.

1. Z Oddziału Neurologicznego Instytutu Psychoneurologicznego
w Pruszkowie (Kierownik Oddziału: prof. dr. med. A. Dowzenko).

RUSZEWSKI, Jozef; SIANOZECKA, Elzbieta; ZIELINSKI, Jan

Importance of the early determination of sex in pseudohermaphroditism.
Gin. polska 29 no.4:457-464 July-Aug 58.

1. Z Oddzialu Ginekologiczno-Poloczniczego Instytutu Gruzlicy i Instytutu
Doskonalenia i Specjalizacji Kadr Lekarskich w Warszawie Kierownik: prof.
dr M. Zulska. Dyrektor Instytutu Gruzlicy: prof. dr J. Misiewicz Dyrektor
Instytutu Doskonalenia i Specjalizacji Kadr Lekarskich: prof. dr W. Hartwig.
Adres: Instytut Gruzlicy - Warszawa, Plocka 26.

(HERMAPHRODITISM

pseudohermaphroditism, male, psychol. importance of
early determ. of true sex (Pol))

(SEX CHARACTERISTICS

psychol. importance of early determ. of true sex in male
pseudohermaphroditism (Pol))

CYGAN, Zbigniew; WARONSKI, Wlodzimierz; ~~ZIELINSKI, Jerzy~~

Chemical composition of urinary calculi in relation to sex & age
of patients. Polski tygod. lek. 14 no.21:957-959 25 May 59.

1. Z Zakladu Chemii Fizjologicznej Slaskiej Akademii Medycznej w Zabrze;
kierownik: doc. dr St. Jozkiewicz i z II Kliniki Chirurgicznej w Slaskiej
Akademii Medycznej w Zabrze; kierownik: prof. dr J. Gasinski). Zabrze 8
--Roklinica. Zaklad Chemii Fizjolog. Sl. AM.

(URINARY TRACT, calculi

relation of chem. composition to sex & age of patients
(Pol))

(AGING, eff.

on chem. composition of urinary calculi (Pol))

(SEX CHARACTERISTICS

relation of sex of patient to chem. composition of
urinary calculi (Pol))

ADAMKIEWICZ, Kazimierz; WIECZOREK, Mirosław; CZOPIK, Jerzy; MUSIEROWICZ,
Andrzej; ZIELINSKI, Jerzy

Effect of decapsulation and enveloping the kidney in the omentum on
the development of collateral vascularization. Pol. tyg. lek. 17 no.6:
206-209 5 F '62.

1. Z II Kliniki Chirurgicznej Szl. AM w Zabrze; kierownik: prof. dr
med. J. Gasinski i z Zakładu Anatomii Patologicznej Szl. AM w Zabrze;
kierownik: prof. dr med. W. Niepolomski.

(KIDNEYS blood supply) (OMENTUM physiol)

ZIELINSKI, Jerzy

Changes in the upper urinary tract in patients with cervical cancer treated with radiations. Pol. tyg. lek. 17 no.6:218-221 5 P '62.

1. Z II Kliniki Chirurgicznej Slaskiej AM; kierownik: prof. dr Jozef Gasinski.

(CERVIX NEOPLASMS radiother) (RADIOTHERAPY compl)

PIENKOWSKA, Feliksa; WOZNIAKOWSKA, Zofia; ZIELINSKI, Jerzy; ADAMKIEWICZ,
Kazimierz

Examination of the upper urinary tract in patients with cervical
cancer before the treatment with radiation energy. Pol. tyg. lek. 17
no.16:592-596 16 Ap '62.

1. Z Instytutu Onkologii w Gliwicach; dyrektor: dr Jeremi Swiecki.

(CERVIX NEOPLASMS radiother)
(UROGENITAL SYSTEM physiol)

ZIELINSKI, Jerzy; ADAMKIEWICZ, Kazimierz; PIENKOWSKA, Felicja; WOZNIAKOWSKA,
Zofia

Renal fistula (nephrostomy) in patients with cancer of the cervix
uteri. Polski tygod. lek. 17 no.24:953-954 11 Je '62.

1. Z Instytutu Onkologii w Gliwicach; dyrektor: dr Jeremi Swiecki.
(KIDNEYS surg) (CERVIX NEOPLASMS surg)

WOZNIAKOWSKA, Zofia; PIENKOWSKA, Felicja; ADAMKIEWICZ, Kazimierz; ZIELINSKI, Jerzy

Radium and roentgen-ray therapy of cancer of the cervix uteri (3rd stage of development) with urinary stasis in the upper tract (according to observations in the Institute of Oncology during the period of 1957-1959). Pol. tyg. lek. 17 no.45:1748-1754 5 N '62.

1. Z Instytutu Onkologii w Gliwicach; dyrektor: dr Jeremi Swiecki.
(CERVIX NEOPLASMS) (RADIUM) (RADIOTHERAPY)
(URINATION DISORDERS)

ZIELINSKI, Jerzy; SOSNIERZ, Marian; MARQUARDT, Marcell

Outlet of the ureter into the seminal vesicle. A rare clinical syndrome. Polski przegl. chir. 34 no.6a:60-610 '62.

1. Z Oddziału Urologicznego Szpitala Specjalistycznego w Katowicach
Ordynator: dr J. Zielinski z Zakładu Anatomii Patologicznej Sl. AM
w Zabrze Kierownik: prof. dr W. Niepolomski.
(URETERS abnorm) (SEMINAL VESICLES abnorm)

BYRSKI, Erwin; ZIELINSKI, Jerzy; ADAMKIEWICZ, Kazimiera

A device for preoperative radiography of the kidney. Polski
przegl. chir. 34 no.6a:641-644 '62.

1. Z Zakladu Radiologii Lek. Sl. AM w Zabrazu Kierownik: doc. dr
S. Matulewicz i z II Kliniki Chirurgicznej Sl. AM Kierownik: prof.
dr J. Sasinski.

(KIDNEYS radiog)

(URINARY CALCULI surg)

ZIELINSKI, Jerzy; HABCZYNSKA, Danuta

Polycystic kidney (ren multicysticus). Pol. tygod. lek. 19 no.14:
522-523 30 Mr '64.

1. Z Oddziału Urologicznego Szpitala Specjalistycznego nr 2 w
Katowicach (ordynator: dr. J. Zielinski) i z Zakładu Anatomii
Patologicznej Sl. Akademii Medycznej w Zabrze (kierownik: prof.
dr. W. Niepolomski).

ACC NR: AT7001739

SOURCE CODE: PO/2530/66/014/047/0053/0060

AUTHOR: Balcerzak, Andrzej—Bal'tsezhak, A. (Master engineer); Zieliński, Jerzy
Janusz—Zelinski, Ye. Ya. (Master engineer)

ORG: High-voltage Department of the Electrotechnical Institute (Zaklad Wysokich
Napiec Instytutu Elektrotechniki)

TITLE: Rectangular current pulse generator

SOURCE: Warsaw. Instytut Elektrotechniki. Prace. v. 14, no. 47, 1966, 53-60

TOPIC TAGS: pulse generator, electronic test equipment

ABSTRACT: A generator of undistorted current pulses of up to 1300 amp for equipment-
testing purposes is described. Discharge current of a capacitor bank was used for
pulse formation and two arc gaps (width, 2 cm) were used as switching units for
starting and stopping pulse current. Electrodes 14—16 mm thick mounted on a
rotating dielectric disk fired the arcs by passing through the arc gaps. A capacitor
bank with up to 570 μ f capacity charged to 30 kv was used in the experimental genera-
tor. Rectangular pulses of 500—2000 μ sec duration of current up to 1300 amp were
produced. Orig. art. has: 4 figures and 1 table.

SUB CODE: 09, 14/ SUBM DATE: 21Sep65/ ORIG REF: 004/ OTH REF: 003

Cord 1/1

UDC: 621.319.53:621.3.018.75

KUS, Stanislaw (Warszawa); ZIELINSKI, Jerzy (Warszawa); SROKOWSKA,
Hanna (Warszawa) ~~XXXXXXXXXXXXXXXXXXXX~~

Studies on splices as tension reinforcement pretensioned
prestressed concrete. Przegl budowl i bud mieszk 35 no.2:
86-93 F '63.

ZIELINSKI, Jerzy

Power engineering installations. Przegl techn 81 no.19:19-20 '60.

1. Zjednoczenie Przemyslowe Budowy Maszyn Cieskich.

ZIELINSKI, Jerzy, inż.

The shipyard engineers realize the resolutions of the Congress in the best way. Przegl techn no.7:4 14 F '62.

1. Przewodniczący Wojewódzkiego Komitetu Porozumiewawczego
Naczelnej Organizacji Technicznej, Gdansk.

ZIELINSKI, Jerzy

Organization of the delivery of complete industrial installations by the Zemek Association of the Heavy Machinery Building Industry. Przegl techn no.31:8 5 Ag '62.

ZIELINSKI, Jerzy, plk.mgr.

Civil defense under conditions of contemporary wars. Przegl
techn 85 no.6:8 9 F'64.

ZIELINSKI, Jerzy, plk.mgr.

Adjustment of plants to the requirements of civil defense in
case of war. Przegl techn 85 no.10:5 8 Nr'64.

BADER, Jerzy ; JAKUBOWSKI, Janusz Lech; ZIELINSKI, Jerzy Janusz

Protection of gliders against atmospheric electricity. Rozpr
elektrotechn 9 no.1/2:203-231 '63.

1. Katedra Wysokich Napiec, Politechnika, Warszawa.